

PATENT  
IN THE UNITED STATES PATENT OFFICE

Serial No.: Herewith

Filed: Herewith

Inventors: Hartmut Mahlkow et al

For: Solution for Etching Copper Surfaces and Method of Depositing Metal on Copper Surfaces

Atty Doc. No.: 295-05

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In the interest of full disclosure, the following items are herewith identified in Form PTO-1449. Copies of the foreign patents are hereby provided, for the convenience of the U.S. Patent and Trademark Office.

This Information Disclosure Statement is being filed before the mailing date of the first official action.

US PATENTS

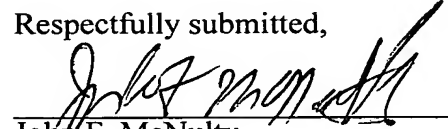
- (AA) US 2002/0022370, dated February 21, 2002, Sun, et al.
- (AB) Re.37,786, dated July 9, 2002, Hirabayashi, et al.
- (AC) 6,036,758, dated March 14, 2000, Fairweather.

FOREIGN PATENTS

- (AD) EP 1167585 A2, January 2, 2002. Relevance is as set forth on page 3 of the specification.
- (AE) DE 10034022 A1, January 31, 2002. Relevance is as set forth on page 4 of the specification.
- (AF) DE 2149196, November 2, 1972. Relevance is as set forth on page 4 of the specification.

- (AG) EP 1167482 A2, January 2, 2002. Relevance is as set forth on page 4 of the specification.
- (AH) EP 0926265 A1, June 30, 1999. Relevance is as set forth on page 2 of the specification.
- (AI) EP 0442197 A2, August 21, 1991. Relevance is as set forth on page 2 of the specification.
- (AJ) WO98/15674, April 16, 1998. Relevance is cited in category A in the International Search Report.
- (AK) Japanese Abstract 58073775, May 4, 1983. Relevance is in the English abstract attached hereto.
- (AL) GB 1546524, May 23, 1979. Relevance is cited in category X in the International Search Report and is relevant to claims 1, 6, 8-10.
- (AM) FR 2392100, December 22, 1978. Relevance is cited in category X in the International Search Report and is relevant to claims 1, 6, 8-10, 12-14, 17, 19.

Respectfully submitted,



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**INFORMATION DISCLOSURE CITATION**  
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Hartmut Mahlkow et al

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2002/0022370	02/21/02	Sun, et al			
	AB	Re.37,786	07/09/02	Hirabayashi, et al			
	AC	6,036,758	03/14/00	Fairweather			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AD	EP1167585A2	01/02/02	Europe				
	AE	DE10034022A1	01/31/02	Germany				
	AF	DE2149196	11/02/72	Germany				
	AG	EP1167482A2	01/02/02	Europe				
	AH	EP0926265A1	06/30/99	Europe				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AI	EP0442197A2	08/21/91	Europe				
AJ	WO98/15674	04/16/98	International				
AK	58073775	05/04/83	Japan				
AL	GB 1546524	05/23/79	Great Britain				
AM	FR2392100	12/22/78	France				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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